

WHAT IS CLAIMED IS:

- 1 1. A system for managing manufacture of an information handling
2 system, the system comprising:
3 a deployment module operable to determine boot commands during
4 manufacture of an information handling system;
5 an Option ROM selector module interfaced with the deployment module and
6 operable to identify one or more Option ROMs to disable in the
7 performance of at least an identified one of the boot commands; and
8 an Option ROM boot execution controller associated with the information
9 handling system and interfaced with the Option ROM selector module,
10 the Option ROM boot execution controller operable to disable Option
11 ROMs identified by the Option ROM selector module in the identified
12 boot command.
- 1 2. The system of Claim 1 wherein the Option ROM selector module
2 disables all Option ROMs in a selected boot command.
- 1 3. The system of Claim 2 wherein the selected boot command comprises
2 a boot associated with flashing of the information handling system BIOS.
- 1 4. The system of Claim 1 wherein the Option ROM selector module
2 disables all Option ROMs except Option ROMs associated with boot devices that
3 boot the information handling system and installation devices that perform installation
4 functions after the boot command.
- 1 5. The system of Claim 4 wherein the boot device comprises a network
2 interface card operable to perform a PXE boot from a network location.
- 1 6. The system of Claim 4 wherein the boot device comprises a hard disc
2 drive.

1 7. The system of Claim 1 wherein the Option ROM execution controller
2 comprises a firmware module on a BIOS of the information handling system, and
3 wherein the Option ROM execution controller is further operable to disable the
4 loading of Option ROM code by the BIOS from the one or more devices associated
5 with the one or more disabled Option ROMs.

1 8. The system of Claim 7 wherein the Option ROM selector module
2 communicates Option ROMs identified as disabled as SMBIOS tokens.

1 9. A method for manufacturing information handling systems with
2 selective boots of Option ROMs, the method comprising:
3 preparing a boot of the information handling system, the boot associated with
4 a manufacturing function;
5 identifying Option ROM devices of the information handling system;
6 identifying any Option ROM devices associated with the boot and the
7 manufacturing function;
8 enabling the Option ROM devices associated with the boot and the
9 manufacturing function and disabling the other option ROM devices;
10 and
11 executing the boot to load the Option ROMs associated with the enable Option
12 ROM devices.

1 10. The method of Claim 9 wherein the manufacturing function comprises
2 flashing a BIOS of the information handling system and wherein no Option ROM
3 devices are identified as associated with the boot and the manufacturing function.

1 11. The method of Claim 9 wherein the boot comprises a PXE boot and
2 the Option ROM device comprises a network interface card.

1 12. The method of Claim 11 wherein the function comprises deploying
2 software to the information handling system hard disc drive and the Option ROM
3 device further comprise the hard disc drive.

1 13. The method of Claim 9 wherein a disabled Option ROM device
2 comprises a RAID device.

1 14. The method of Claim 9 wherein a disabled Option ROM device
2 comprises a PCI card.

1 15. The method of Claim 9 wherein a disabled Option ROM device
2 comprises a SCSI device.

1 16. An information handling system comprising:
2 plural processing components operable to process information, the processing
3 components assembled to accept applications from a network location,
4 the applications deployed with plural boots of the information handling
5 system, selected of the processing components storing Option ROM
6 code for execution at boot of the information handling system; and
7 an Option ROM boot execution controller interfaced with the processing
8 components and operable to disable execution of selected Option ROM
9 code in one or more application deployment boots.

1 17. The information handling system of Claim 16 wherein the plural
2 processing components comprise a BIOS, the Option ROM boot execution controller
3 disabling all Option ROM code in an application deployment boot operable to flash
4 the BIOS.

1 18. The information handling system of Claim 16 wherein the plural
2 processing components comprise a network interface card and a RAID card, the
3 Option ROM boot execution controller disabling Option ROM associated with the
4 RAID card, the information handling system booting to execute Option ROM
5 associated with the network interface card in support of a PXE boot to a network
6 location.

1 19. The information handling system of Claim 16 wherein the plural
2 processing components comprise a hard disc driver and a RAID card, the Option

3 ROM boot execution controller disabling Option ROM associated with the RAID
4 card, the information handling system booting to execute Option ROM associated
5 with the hard disc driver to run a deployment application stored on the hard disc drive.

1 20. The information handling system of Claim 16 wherein the plural
2 processing components comprise a network interface card and a hard disc drive, the
3 Option ROM boot execution controller disabling Option ROM associated with the
4 hard disc driver, the information handling system booting to execute Option ROM
5 associated with the network interface card in support of a PXE boot to a network
6 location.